



PATIENT

Roscoe Johnson

SPECIES

Canine

BREED

Rottweiler

SEX

MN

AGE

9yr

WEIGHT

140lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Desen Ertunc, DVM

HOSPITAL NAME

Humboldt Veterinary
Medical Group

REFERRING VET

Kris Flores, DVM

INVOICE

24548

DATE

04/21/2026

PRESENTING CLINICAL SIGNS

-Diagnosed with IMHA and seizure activity December 2024, responded well to Prednisone and Levetiracetam.

-Discontinued Pred May 2025, relapsed by July and resumed Pred

-Tapered Pred 20 mg to 1/2 daily, relapse noted March 24, 2026. Currently on Prednisone 20 mg BID.

-Persistent occasional seizure activity

-Wanting to screen for primary cause

-Recent CBC show platelets in normal range.

- Client reports no food past midnight, 16+ hour fast

Abnormal PE/Chem/CBC/UA Results: PE- Pendulous abdomen consistent with chronic prednisone use CBC: WBC = 31.09 (5.05 - 16.7) K/ μ L, Neutrophils = 27.13 (2.95 - 11.64) K/ μ L, Monocytes = 1.44 (0.16 - 1.12) K/ μ L, MPV = 13.5 (8.7 - 13.2) fL, Platelets = 434 (148 - 484) K/ μ L, Plateletcrit = 0.59 (0.14 - 0.46) %, all other values WNL. MSU Panel WNL. Chem in July 2026 had no significant findings.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible, which is normal. No evidence of inflammatory or neoplastic changes was noted.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 9.0 cm in length. The right kidney measured 8.0 cm in length. Probable mild underestimation of right kidney size.

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate appeared normal and free of pathology

Adrenal Glands

The left and right adrenal glands were not definitively visualized owing to patient size, conformation and secondary to adrenal suppression.

Spleen

The spleen was normal in size with symmetrical contour and mild heterogeneous parenchyma exhibiting discrete non-capsule deforming hypoechoic nodules. An example measured 0.4 cm in diameter.

Liver/Gallbladder

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with moderate, primarily peripheral lumen



PATIENT

Roscoe Johnson

variably congealed, possibly adhered yet non-organized debris. No evidence of gallbladder/peripheral gallbladder inflammation or wall edema was present. The common bile duct was not visualized without overt evidence of dilation or post hepatic obstructive criteria.

SPECIES

Canine

The stomach presented intact mild to variably thickened stomach wall, primarily owing to subjective variable mucosal hyperplasia or hypertrophy. The stomach contained variably echogenic non-shadowing ingesta and fluid with no overt obstruction to pyloric outflow. The pylorus wall measured 0.72 cm wall width.

BREED

Rottweiler

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of mechanical/metabolic ileus, obstruction or foreign material.

SEX

MN

Normal visible colon wall layers were present with apparent formed feces in lumen.

AGE

9yr

Pancreas

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

140lb

ULTRASONOGRAPHIC FINDINGS

Primary

- Hepatomegaly
- Variably congealed, non-organized primarily peripheral lumen gallbladder debris- possible early to immature mucocele
- Discreet splenic nodule
- Suspect gastritis pattern with retained non-shadowing ingesta/ fluid, sonographically unremarkable visualized small intestine

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Desen Ertunc, DVM

HOSPITAL NAME

Humboldt Veterinary
Medical Group

REFERRING VET

Kris Flores, DVM

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The hepatomegaly and discreet splenic nodule suggests probable benign criteria secondary to chronic steroid, vacuolar or cholestatic hepatopathy, splenic hyperplasia or hematopoiesis given patient history with occult hepatosplenic neoplasia thought less likely. Assuming normal clotting status and using a 25g needle, a splenic FNA for screening cytology could be considered for further assessment vs sonographic monitoring for evidence of progressive hepatosplenic changes. Hepatosupportive medications and concurrent monitoring of the gallbladder if progressive cholestasis is indicated.

Gastric protectants and consideration for smaller and more frequent feedings of canned or hydrolyzed diet suggested if clinical signs consistent with gastric stasis or gastritis are present.

INVOICE

24548

DATE

04/21/2026



PATIENT

Roscoe Johnson

SPECIES

Canine

BREED

Rottweiler

SEX

MN

AGE

9yr

WEIGHT

140lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Desen Ertunc, DVM

HOSPITAL NAME

Humboldt Veterinary
Medical Group

REFERRING VET

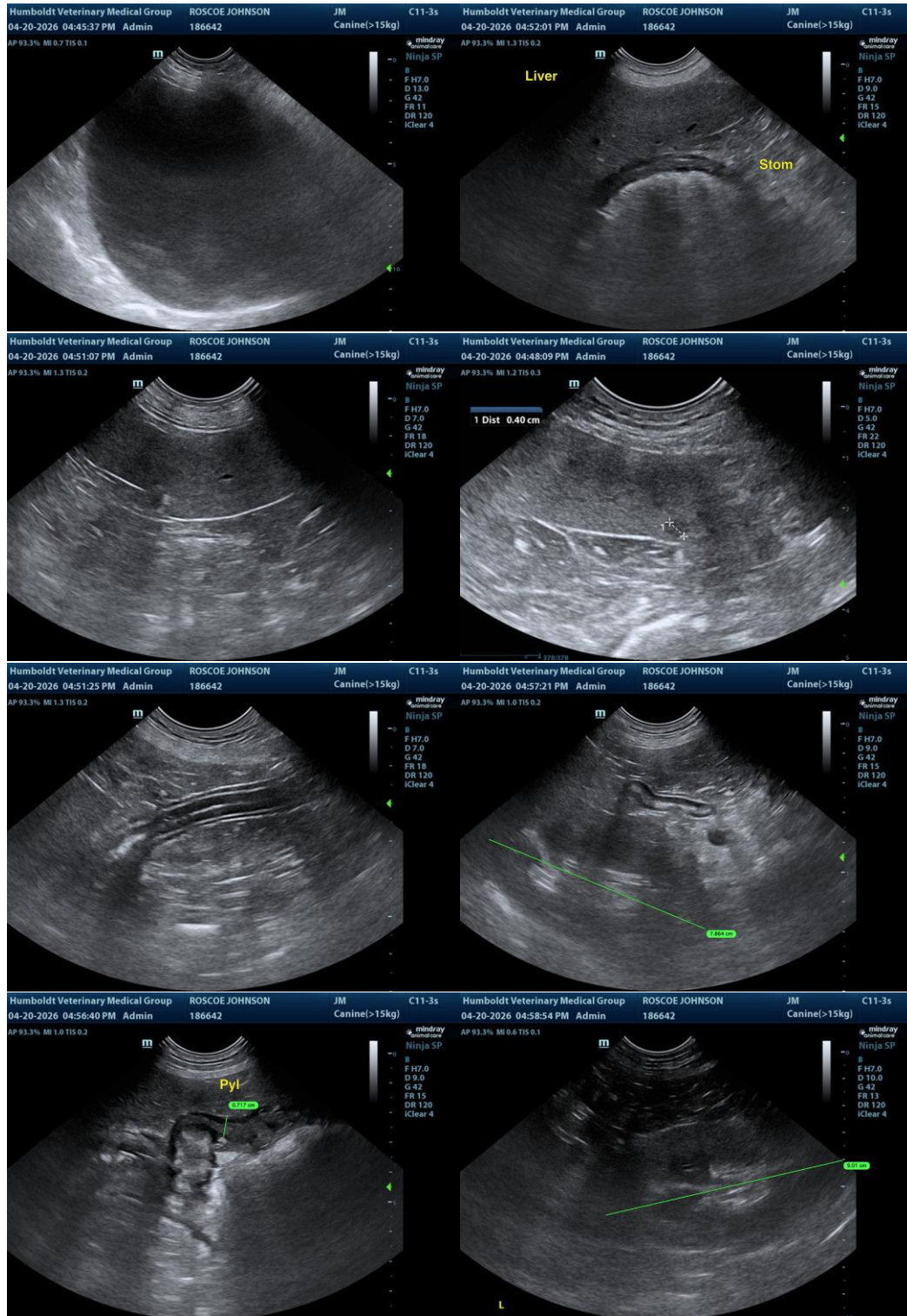
Kris Flores, DVM

INVOICE

24548

DATE

04/21/2026





PATIENT

Roscoe Johnson

SPECIES

Canine

BREED

Rottweiler

SEX

MN

AGE

9yr

WEIGHT

140lb

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

IMAGING PERFORMED BY

Desen Ertunc, DVM

HOSPITAL NAME

Humboldt Veterinary
Medical Group

REFERRING VET

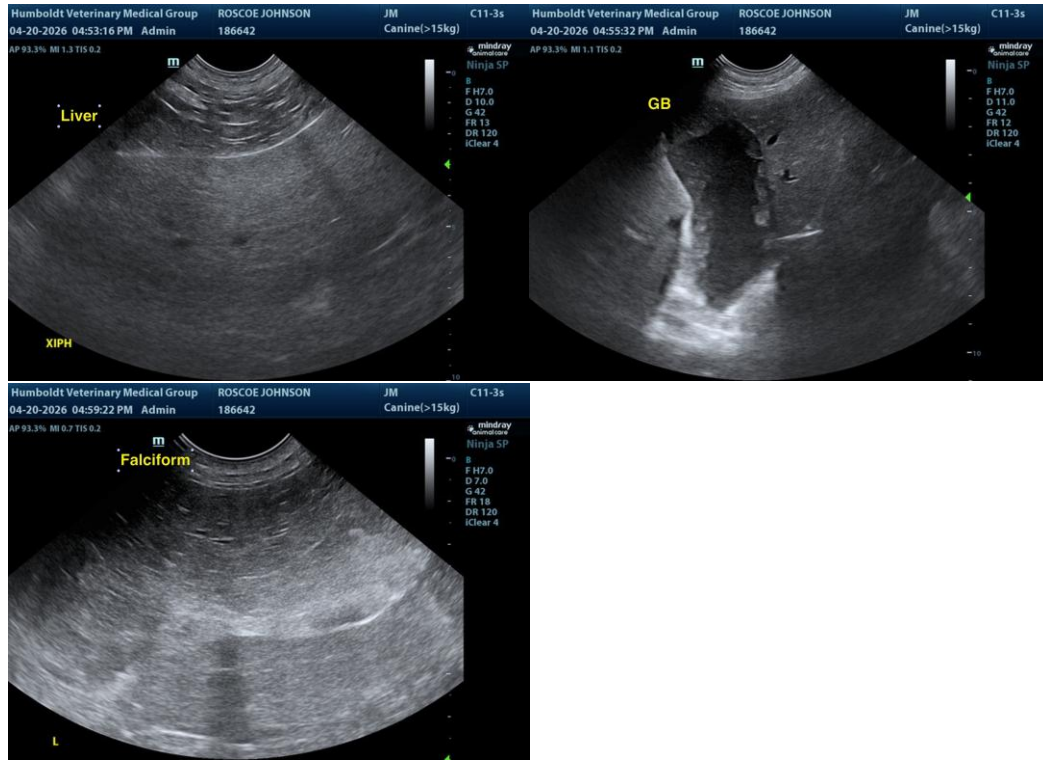
Kris Flores, DVM

INVOICE

24548

DATE

04/21/2026



The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
info@sonopath.com